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## NOTICE OF ALLOWANCE AND FEE(S) DUE

23117

7590

02/20/2004

NIXON & VANDERHYE, PC 1100 N GLEBE ROAD 8TH FLOOR ARLINGTON, VA 22201-4714 EXAMINER

ZARROLI, MICHAEL C

ART UNIT PAPER NUMBER

2839

DATE MAILED: 02/20/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/762,805	02/13/2001	Peter G R Smith	124-838	9678

TITLE OF INVENTION: FABRICATION OF OPTICAL WAVEGUIDES

٢	APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
_	nonprovisional	NO	\$1330	\$0	\$1330	05/20/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

#### **HOW TO REPLY TO THIS NOTICE:**

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- ☐ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

(703) 746-4000 or <u>Fax</u>

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

23117

7590

02/20/2004

NIXON & VANDERHYE, PC 1100 N GLEBE ROAD 8TH FLOOR ARLINGTON, VA 22201-4714

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

		_
(Depositor's name)		
(Signature)		
(Date)	_	

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/762.805	02/13/2001	Peter G R Smith	124-838	9678

TITLE OF INVENTION: FABRICATION OF OPTICAL WAVEGUIDES

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nonprovisional	NO	\$1330	\$0	\$1330	05/20/2004
EXAN	MINER	ART UNIT	CLASS-SUBCLASS	]	
ZARROLI,	MICHAEL C	2839	385-129000	_	
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  1. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  1. Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.			r printing on the patent front page, s of up to 3 registered patent a s OR, alternatively, (2) the name (having as a member a registered ) and the names of up to 2 regist	of a single attorney or 2ered patent	
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			attorneys or agents. If no name is listed, no name will be printed.		

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or category	ries (will not be printed on the patent);	☐ individual	corporation or other private group entity	governmen
4a. The following fee(s) are enclosed:	4b. Payment of Fee(s):			
☐ Issue Fee	☐ A check in the amo	ount of the fee(s)	is enclosed.	
□ Publication Fee	☐ Payment by credit	card. Form PTO-	2038 is attached.	
☐ Advance Order - # of Copies	The Director is he Deposit Account Nur	ereby authorized	by charge the required fee(s), or credit any (enclose an extra copy of this	overpayment, to s form).
Director for Patents is requested to apply the Issue Fee ar	d Publication Fee (if any) or to re-apply	any previously p	aid issue fee to the application identified abo	ove.
(Authorized Signature)	(Date)			
NOTE; The Issue Fee and Publication Fee (if require other than the applicant; a registered attorney or age interest as shown by the records of the United States Pa	d) will not be accepted from anyone int; or the assignee or other party in tent and Trademark Office.			
This collection of information is required by 37 CFR obtain or retain a benefit by the public which is to fit application. Confidentiality is governed by 35 U.S.C. It estimated to take 12 minutes to complete, including gar completed application form to the USPTO. Time will case. Any comments on the amount of time your suggestions for reducing this burden, should be sent the Patent and Trademark Office, U.S. Department of 22313-1450. DO NOT SEND FEES OR COMPLE SEND TO: Commissioner for Patents, Alexandria, Virg	thering, preparing, and submitting the lyary depending upon the individual equire to complete this form and/or of the Chief Information Officer, U.S. of Commerce, Alexandria, Virginia FED FORMS TO THIS ADDRESS. inia 22313-1450.			
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1100 N GLEBE 8TH FLOOR	ROAD		ART UNIT	PAPER NUMBER	
ARLINGTON, V	/A 22201-4714		2839		
			DATE MAILED: 02/20/200	<b>1</b> 4	

# Determination of Patent Term Extension under 35 U.S.C. 154 (b)

(application filed after June 7, 1995 but prior to May 29, 2000)

The Patent Term Extension is 0 day(s). Any patent to issue from the above-identified application will include an indication of the 0 day extension on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

	Application No.	Applicant(s)	
	09/762,805	SMITH ET AL.	
Notice of Allowability	Examiner	Art Unit	-
	Michael C. Zarroli	2839	
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS therewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIPORT OF THE OF	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject t	plication. If not included n will be mailed in due course.	THIS initiative
1. X This communication is responsive to the appeal brief filed	<u>1/12/04</u> .		
2. $\boxtimes$ The allowed claim(s) is/are <u>1-7 and 9-12</u> .			
3. $\square$ The drawings filed on are accepted by the Examine	r.		
4. Acknowledgment is made of a claim for foreign priority ur  a) All b) Some* c) None of the:  1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 3. Copies of the priority documents have 4. Cortified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  5. A SUBSTITUTE OATH OR DECLARATION must be submained in including changes required by the Notice of Draftspers 4. CORRECTED DRAWINGS (as "replacement sheets") must 4. CORRECTED DRAWINGS (as "replacement sheets") must 4. Corrected branding changes required by the Notice of Draftspers 4. Corrected branding changes required by the Notice of Draftspers 4. Corrected branding changes required by the Notice of Draftspers 4. Corrected branding changes required by the Notice of Draftspers 4. Corrected branding changes required by the Notice of Draftspers 4. Corrected branding changes required by the Notice of Draftspers 4. Corrected branding changes required by the Notice of Draftspers 4. Corrected branding changes required by the Notice of Draftspers 5. Corrected branding changes required by the Notice of Draftspers 6. Corrected branding changes required by the Notice of Draftspers 6. Corrected branding changes required by the Notice of Draftspers 6. Corrected branding changes required by the Notice of Draftspers 6. Corrected branding changes required by the Notice of Draftspers 6. Corrected branding changes required by the Notice of Draftspers 6. Corrected branding changes required by the Notice of Draftspers 6. Corrected branding changes c	e been received. e been received in Application No cuments have been received in this of this communication to file a reply MENT of this application.  witted. Note the attached EXAMINER es reason(s) why the oath or declara st be submitted. son's Patent Drawing Review ( PTO) . s Amendment / Comment or in the C .84(c)) should be written on the drawithe header according to 37 CFR 1.1216 seit of BIOLOGICAL MATERIAL	national stage application from complying with the requirement at SAMENDMENT or NOTICE (ation is deficient.  -948) attached  Office action of lings in the front (not the back) of (d).  must be submitted. Note the	nts OF
Attachment(s)  1.  Notice of References Cited (PTO-892)  2.  Notice of Draftperson's Patent Drawing Review (PTO-948)  3.  Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date  4.  Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. Interview Summary Paper No./Mail Da 08), 7. Examiner's Amend	ite	

1. The following is an examiner's statement of reasons for allowance: The examiner agrees with the applicant's argument in the appeal brief that the Booth and Beyea et al references can not be combined. The layers in Booth are organic while the layers in Beyea are inorganic. In addition, none of the prior art of record either alone or in combination discloses the combination in the independent claims specifically that the light guiding path is formed of an **unmodified** optical region while the **modified** regions form the boundary.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael C. Zarroli whose telephone number is 571-272-2101. The examiner can normally be reached on 7:30 to 3:30 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynne Feild can be reached on (571) 272-2092. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Michael C. Zarroli Primary Examiner Art Unit 2839

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